

**DRIVE-BY-WIRE ASSEMBLY WITH FORCE MEASURING SENSOR**

Abstract of the Invention

A drive-by-wire assembly for a motor vehicle including a foot engaging member configured to be engaged by a foot of a user. The foot engaging member is configured to remain substantially stationary when engaged by a foot of a user. A force measuring sensor is secured to the foot engaging member and is configured to provide an output signal based on a force applied by a foot of a user.